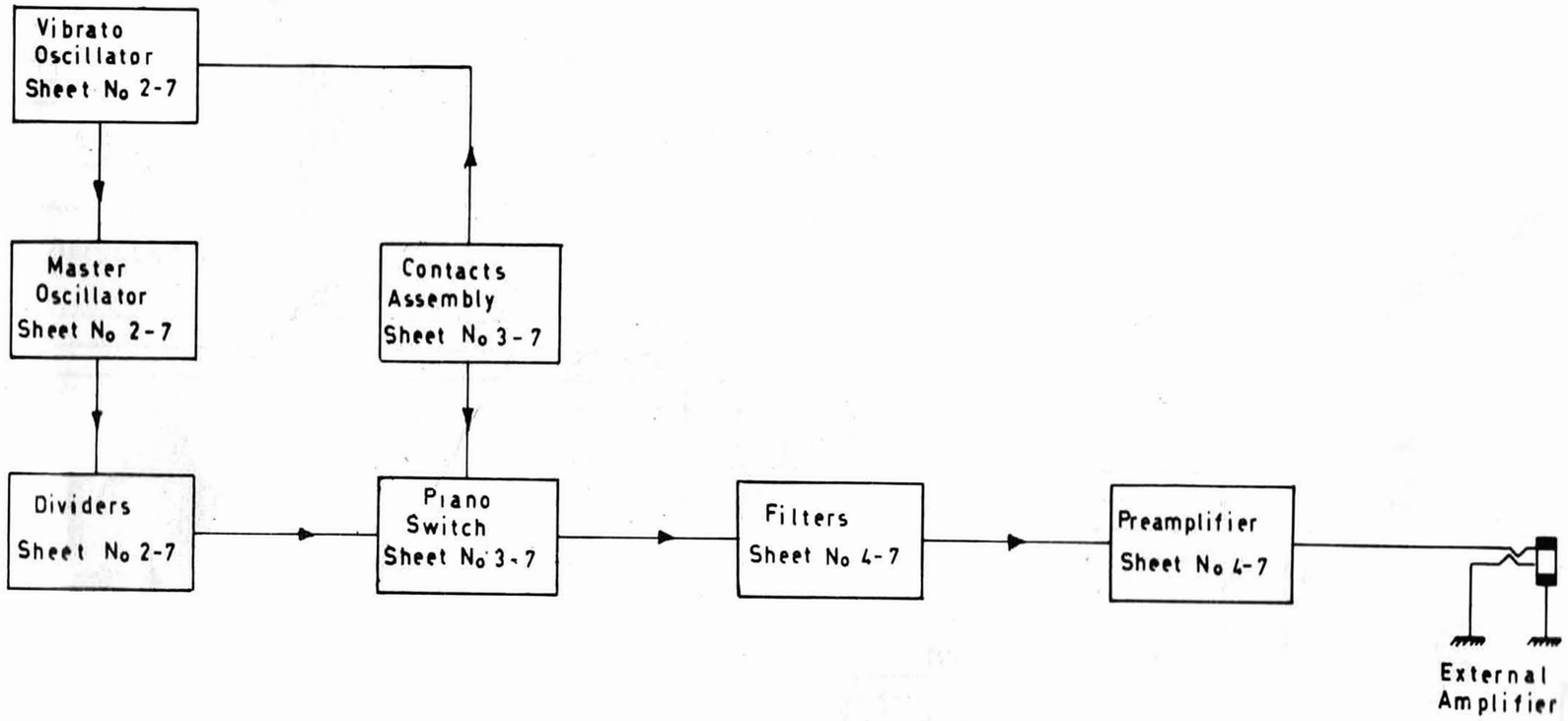
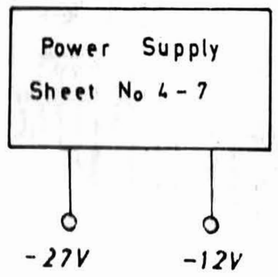
ELKA

ELKAPIANO
88

schematic diagrams


Vibrato Oscillator Sheet No 2-7
Master Oscillator Sheet No 2-7
Contacts Assembly Sheet No 3-7
Dividers Sheet No 2-7
Piano Switch Sheet No 3-7
Filters Sheet No 4-7
Preamplifier Sheet No 4-7
External Amplifier



Designed by			
Drawn by	Checked by		
		Model Elkapiano 88	Object: Block Diagram
			Sheet No 1-7
			Date 17-2-76

Z = VZ 5,1 0,3W

TUNING Wire Trimmer

M000504

F000584 Sheet No 5 - 7

F000645 Sheet No 7 - 7

MASTER OSCILLATOR

See Sheet No 3-7 No 4-7

Code	Type	Transistors
T1	NPN	BC 209 Mistral etc
T3-T5	PNP	BC 154 Fairchild BC 308
T2-T4	NPN	BC 208

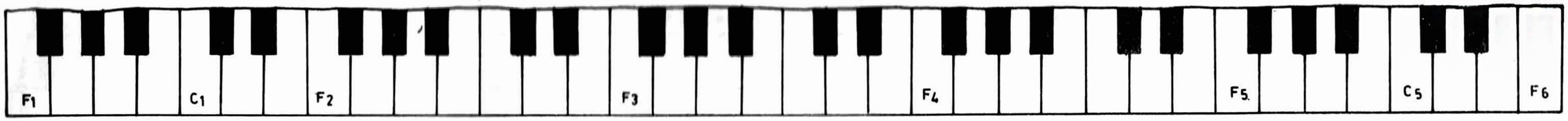
IC1 = SN 74221 Texas

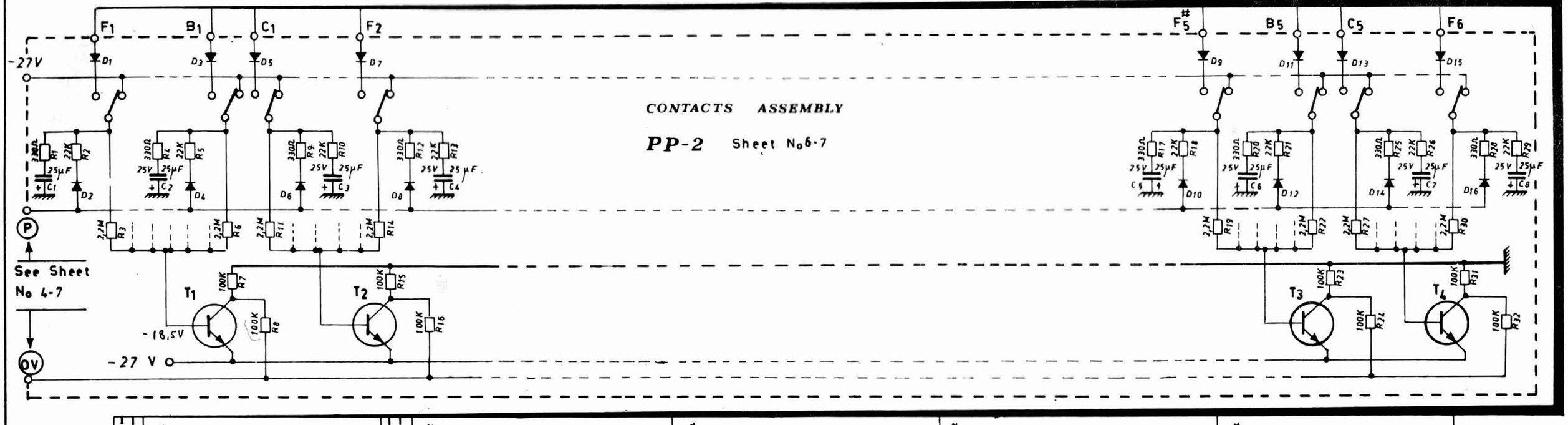
IC2 = MK 50242 Texas

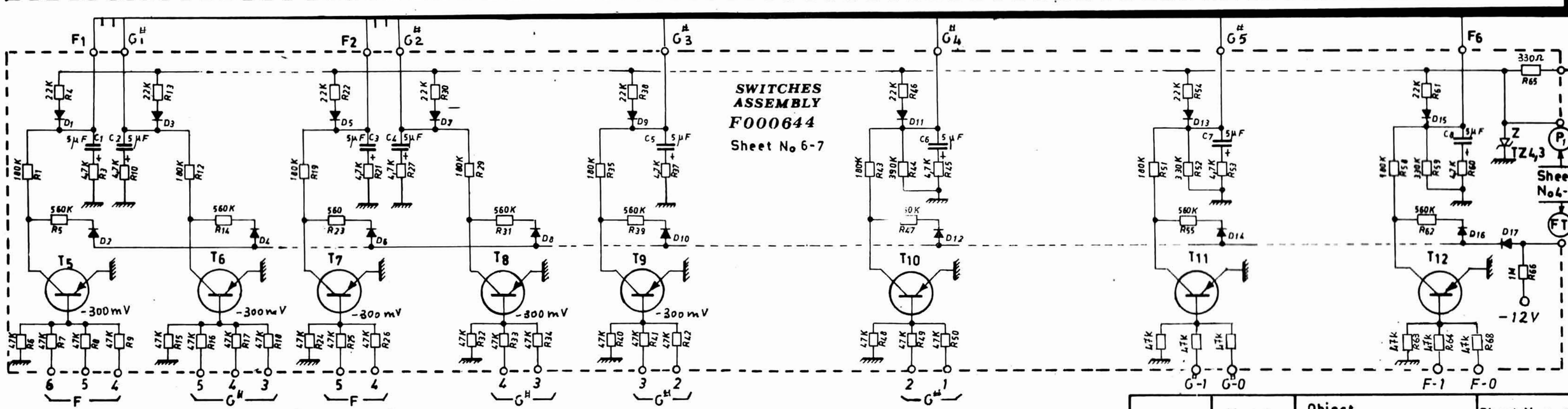
IC3 ÷ IC12 = EL4444 NC Texas / HBF4740AE S.G.S

Note
1) All resistors marke by a point • must be metal film ones 2% tollerance
2) All capacitors marked by a point • must be polistirolo ones 2% tollerance

Model	Object:	Sheet No 2-7
Elkapiano 88	Master oscillator Dividers and Vibrato	Date 24-9-76





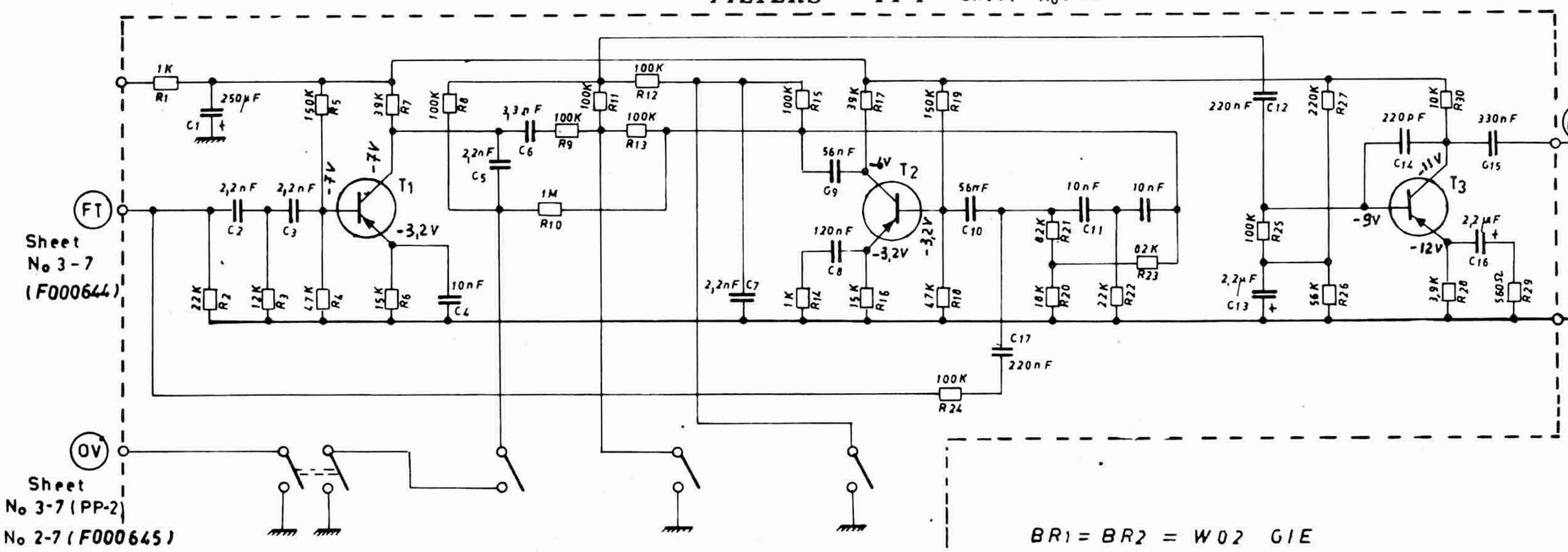


Code	Type	Transistors
T1 ÷ T4	NPN	33805 Fairchild–BC 208-BC 171B
T5 ÷ T12	PNP	34746 Fairchild

Note
All diodes are FDH 0666 Fairchild

	Model	Object	Sheet No
	Elkapiano 88	Contacts and Switches Assembly	3-7
			Date 20-1-76

FILTERS PP 1 Sheet No 7-7



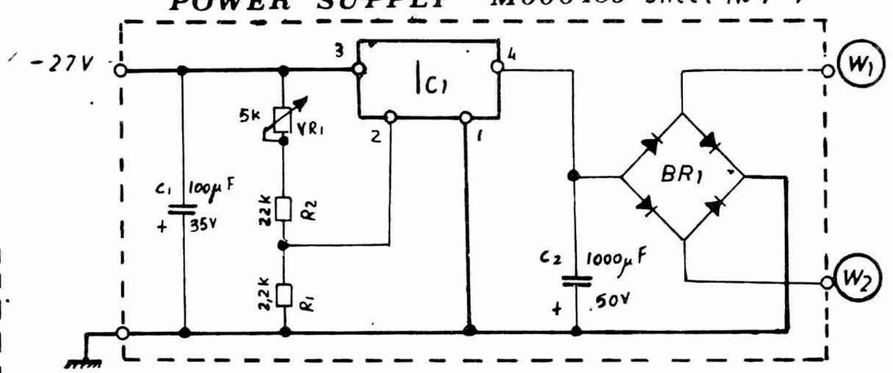
STELL GUITAR | CLAVI CHORD | JINGLE PIANO | PIANO

EXTERNAL AMPLIFIER

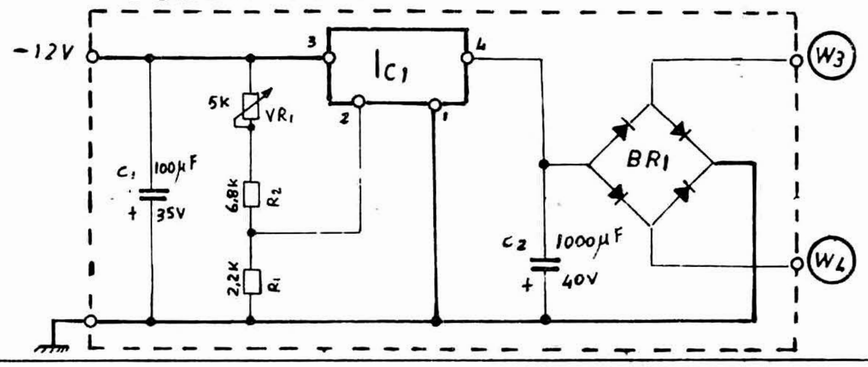
BR1 = BR2 = W02 GIE

IC1 = IC2 = A 79 MG Fairchild

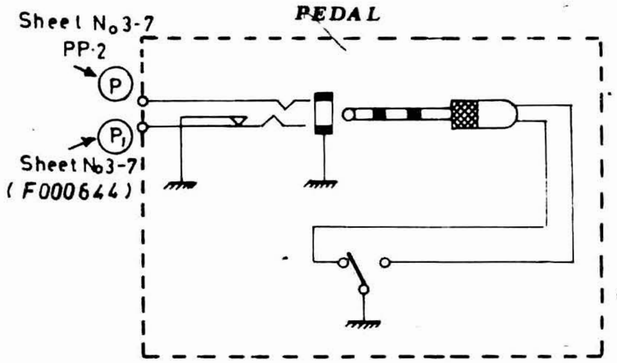
POWER SUPPLY M000485 Sheet No 7-7

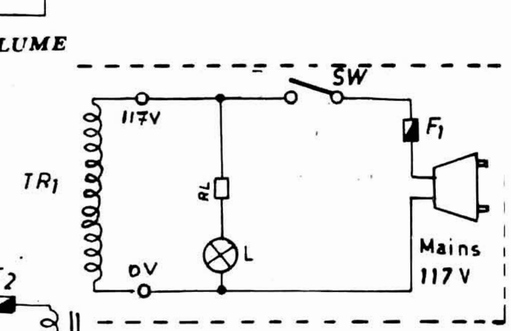


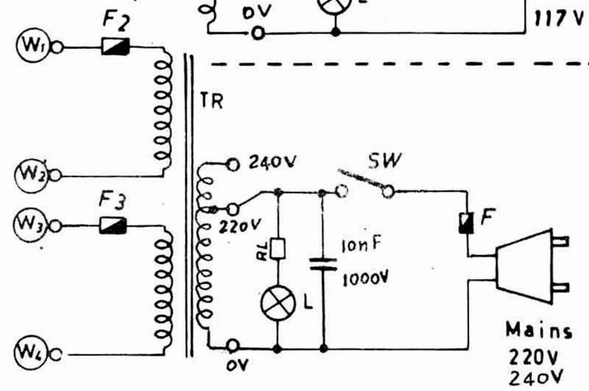
POWER SUPPLY M000485 Sheet No 7-7



PEDAL







SW + L = Neon 220V–1108 R/NB2 Reed

TR = Transformer T092N

F = 250 mA T

F1 = 500 mA T

F2 = 1,25 A T

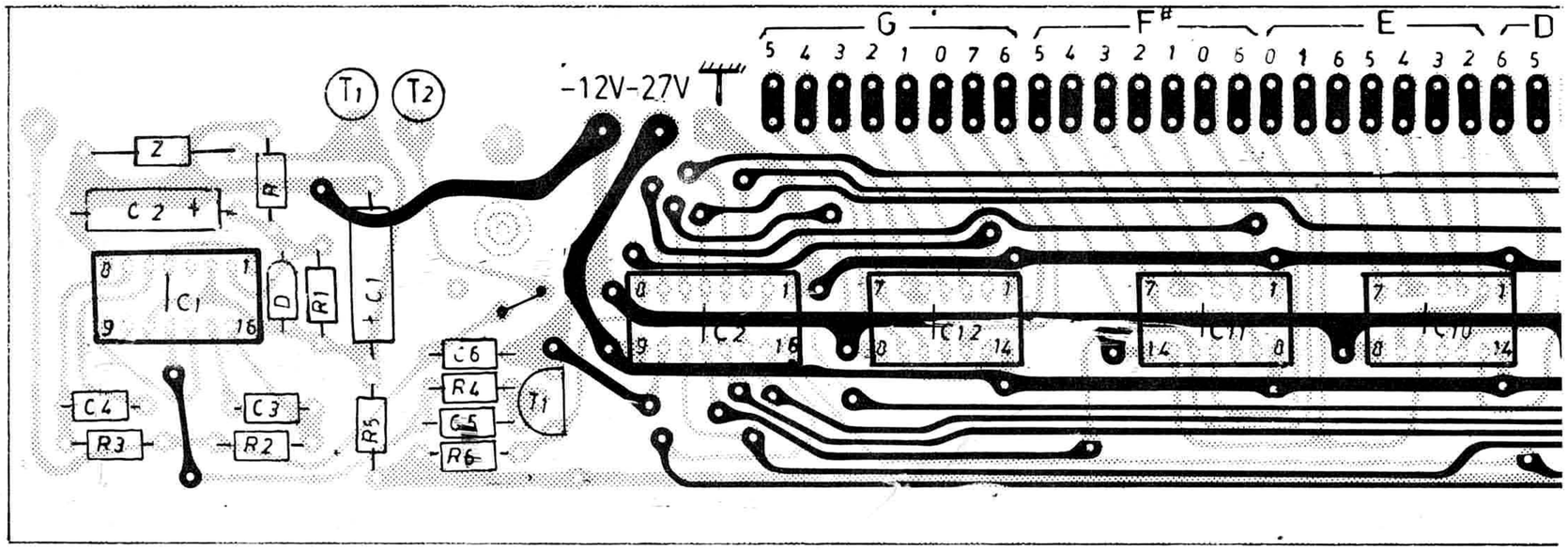
F3 = 1,25 A T

TR1 = Transformer T092K

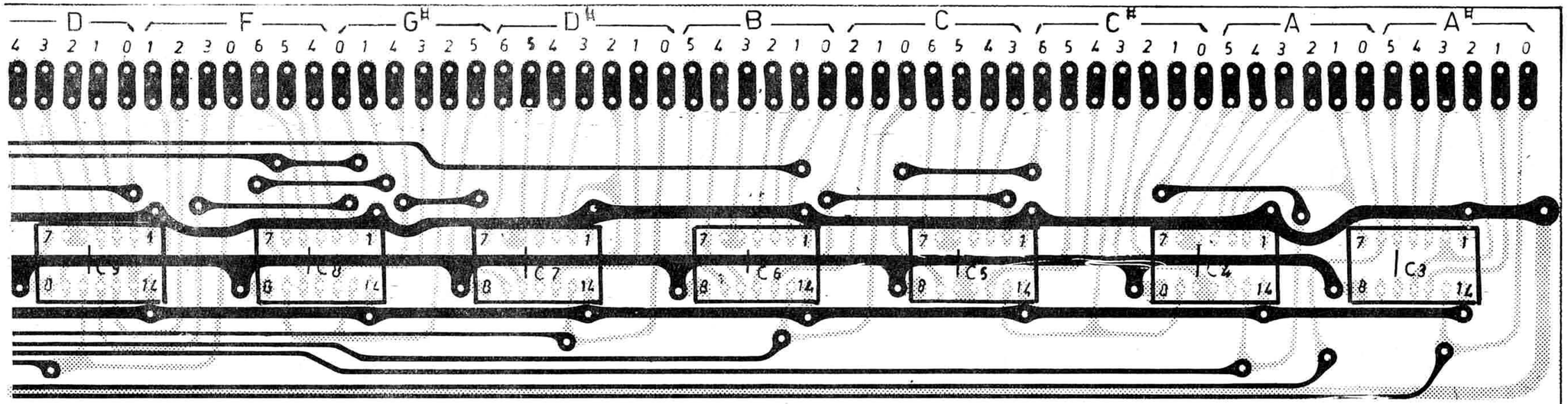
Code	Type	Transistors
T1 – T3	PNP	BC 154 Fairchild

	Mod Elkapiano 88	Object Filters and Power Supply	Sheet No 4-7
			Date 27-9-76

F000584



F000584



	Model	Object	Sheet
	Elkapiano 88	Assembly of Printed Circuit	N 5 · 7
			Date 25-10-76

F000644

Switches

Frequencies Input

PP-2

-12V

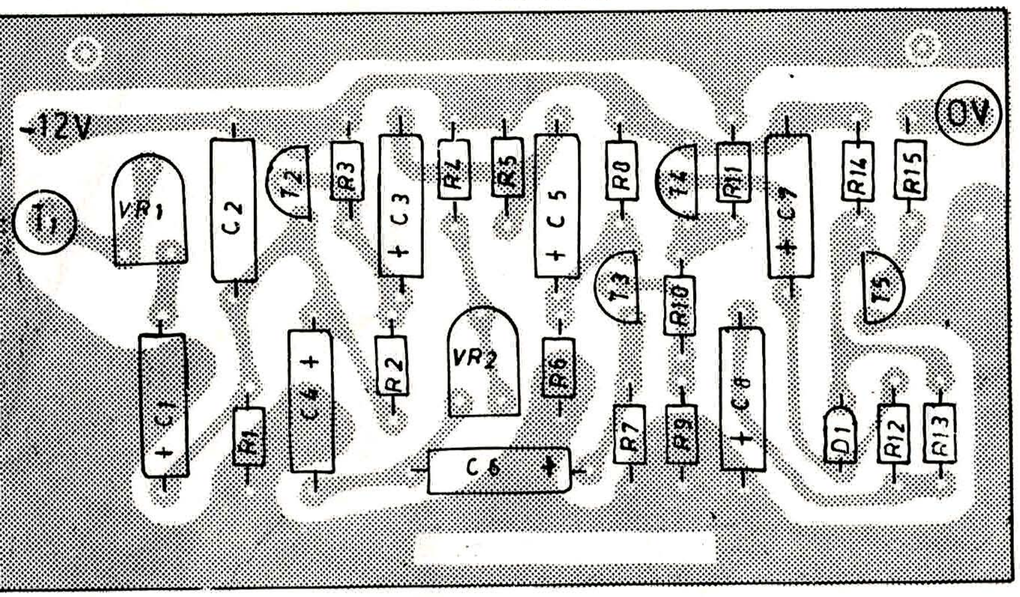
-27V

-27V

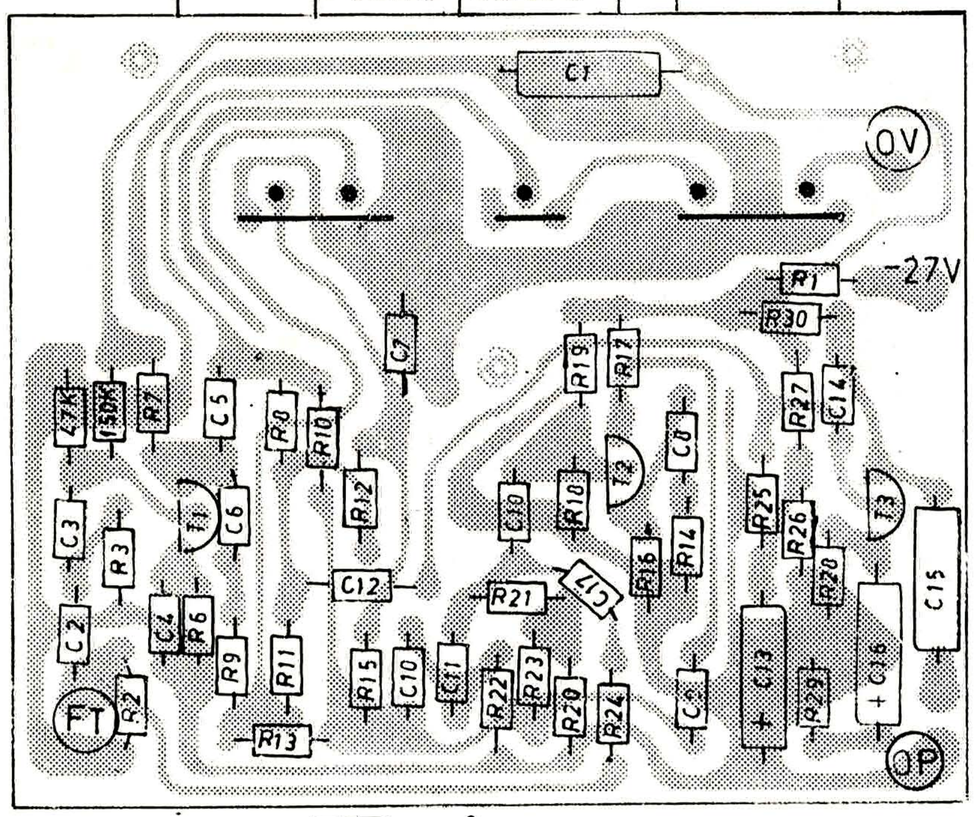
0V

Sheet N. 6-7

F000645

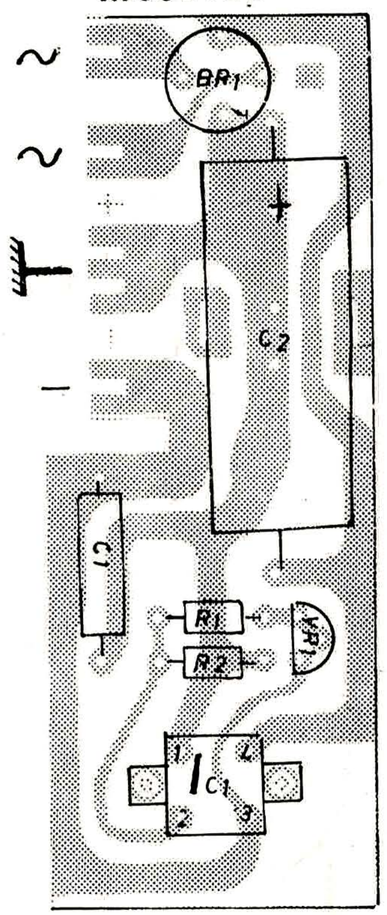


Piano	Jngle Piano	Clavi Chord		Steel Guitar

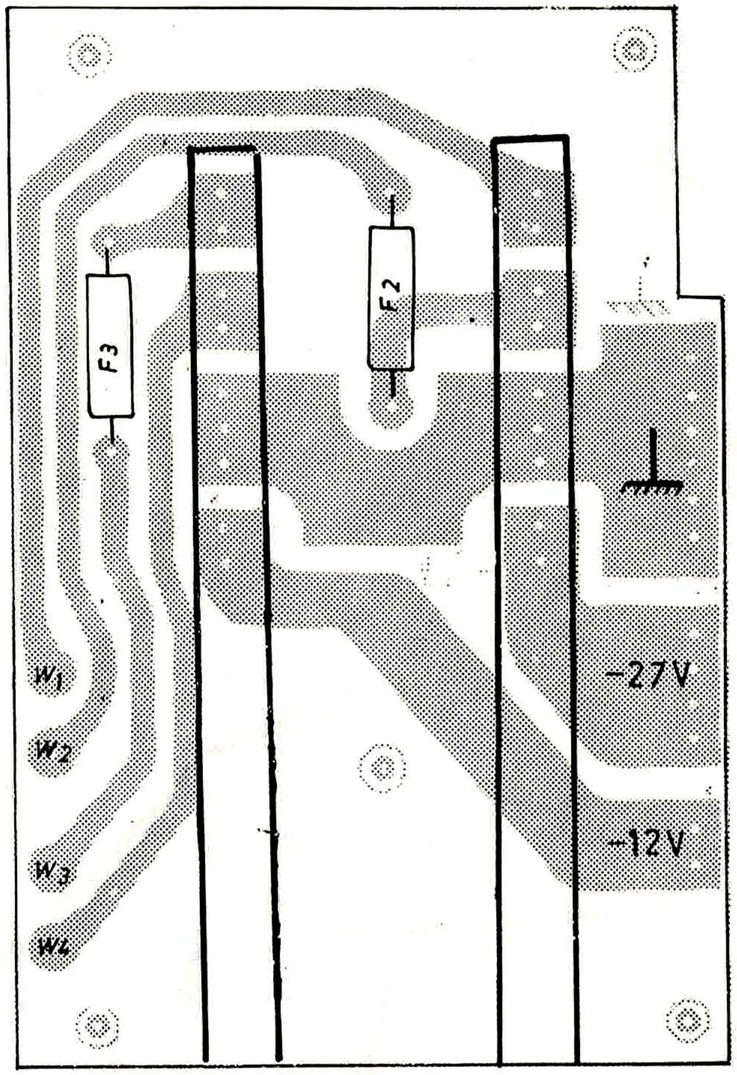


PP - 1

M000485



F000665



	Model	Object	Sheet
	Elkapiano 00	Assembly of Printed Circuit	No 7-7
			Date 26-10-76

Manufactured by **ELKA**

Digitised by **Pablo Bermejo Romero**